

X15478.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company

<120> Use of Resistin to Treat Hematopoietic Disorders

<130> X15478

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(327)

<223> Human Resistin Polynucleotide

<400> 1
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ctgtgctcca tggagaaggcatcaatgag aggtatccagg aggtcgccgg ctccctaaata 120
tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacctg 180
gctacttgcc cccgaggctt cggcgatcacc ggctgcacccgtggctccgc ctgtggctcg 240
tggatgtgc gcgccgagac cacatgtcac tgccagtgcg cgggcatgga ctggaccgga 300
gcgcgctgct gtcgtgtgca gcccctgaa 327

<210> 2

<211> 108

<212> PRT

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<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (1)..(108)

<223> Human Resistin Polypeptide

<400> 2

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 3

<211> 90

<212> PRT

<213> Homo sapiens

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<222> (1)..(90)

<223> Mature Human Resistin Polypeptide

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<400> 3

Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile Gln Glu
1 5 10 15

Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Leu Glu
20 25 30

Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg Gly
35 40 45

Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp Asp
50 55 60

Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp Trp
65 70 75 80

Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
85 90

<210> 4

<211> 108

<212> PRT

<213> Homo sapiens

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<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 4

Met Lys Ala Leu Cys Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

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Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 5

<211> 108

<212> PRT

<213> Homo sapiens

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<221> MISC_FEATURE

<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 5

Met Lys Ala Leu Cys Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 6

x15478.ST25.txt

<211> 108

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 6

Met	Lys	Ala	Leu	Cys	Leu	Leu	Leu	Leu	Pro	Val	Leu	Gly	Leu	Leu	Val
1				5						10					15

Ser	Ser	Lys	Thr	Leu	Cys	Ser	Met	Glu	Glu	Ala	Ile	Asn	Glu	Arg	Ile
				20				25					30		

Gln	Glu	Val	Ala	Gly	Ser	Leu	Ile	Phe	Arg	Ala	Ile	Ser	Ser	Ile	Gly
		35				40						45			

Arg	Gly	Ser	Glu	Ser	Val	Thr	Ser	Arg	Gly	Asp	Leu	Ala	Thr	Cys	Pro
	50				55					60					

Arg	Gly	Phe	Ala	Val	Thr	Gly	Cys	Thr	Cys	Gly	Ser	Ala	Cys	Gly	Ser
	65				70				75					80	

Trp	Asp	Val	Arg	Ala	Glu	Thr	Thr	Cys	His	Cys	Gln	Cys	Ala	Gly	Met
		85						90					95		

Asp	Trp	Thr	Gly	Ala	Arg	Cys	Cys	Arg	Val	Gln	Pro				
			100						105						

<210> 7

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (1)..(107)

X15478.ST25.txt

<223> Human Resistin Allelic Variant

<220>

<221> MISC_FEATURE

<222> (48)..(48)

<223> Xaa=Arg or Leu

<220>

<221> MISC_FEATURE

<222> (49)..(49)

<223> Xaa=Gly or Glu

<220>

<221> MISC_FEATURE

<222> (50)..(50)

<223> Xaa=Cys or Ser

<220>

<221> MISC_FEATURE

<222> (51)..(51)

<223> Xaa=Gln or Glu

<400> 7

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln
20 25 30Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa
35 40 45Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg
50 55 60Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp
65 70 75 80

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Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp
85 90 95

Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 8

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 8

gatcgccgcg ccagccacca tgaaagctct ctgtctcct

39

<210> 9

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 9

cgcgatatcg ggctgcacac gacagcagc

29

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 10

agccatcaat gagaggatcc a

21

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<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 11

tccaggccaa tgctgcttat

20

<210> 12

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 12

tcgcgggctc ctaatattta gggc

24

<210> 13

<211> 114

<212> PRT

<213> *rattus* sp.

<220>

<221> MISC_FEATURE

<222> (1)..(114)

<223> Rat resistin protein

<400> 13

Met Lys Asn Leu Ser Phe Leu Leu Leu Phe Leu Phe Phe Leu Val Leu
1 5 10 15Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile
20 25 30

X15478.ST25.txt

Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met
35 40 45

Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu
50 55 60

Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln
85 90 95

Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val
100 105 110

Gly Ser

<210> 14

<211> 114

<212> PRT

<213> mus sp.

<220>

<221> MISC_FEATURE

<222> (1)..(114)

<223> Mouse resistin protein

<400> 14

Met Lys Asn Leu Ser Phe Pro Leu Leu Phe Leu Phe Phe Leu Val Pro
1 5 10 15

Glu Leu Leu Gly Ser Ser Met Pro Leu Cys Pro Ile Asp Glu Ala Ile
20 25 30

Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile
35 40 45

Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu
50 55 60

X15478.ST25.txt

Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser
65 70 75 80

Ala Cys Gly Ser Trp Asp Ile Arg Glu Glu Lys Val Cys His Cys Gln
85 90 95

Cys Ala Arg Ile Asp Trp Thr Ala Ala Arg Cys Cys Lys Leu Gln Val
100 105 110

Ala Ser